

SEQUENCE LISTING

<110> Adams, Lynn
Davis, Pamela
Ma, Jian Jie

<120> Enhancers of CFTR Chloride Channel
Function

<130> 03037.86704

<140> 09/512,260
<141> 2000-02-24

<150> 60/121,495
<151> 1999-02-24

<160> 6

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 18
<212> PRT
<213> Homo sapiens

<400> 1

Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu Lys Glu Cys
1 5 10 15
Phe Phe

<210> 2
<211> 22
<212> PRT
<213> Homo sapiens

<400> 2

Gly Leu Glu Ile Ser Glu Glu Ile Asn Glu Glu Asp Leu Lys Glu Cys
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Phe Phe Asp Asp Met Glu
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<210> 3
<211> 559
<212> PRT
<213> HSV-1

<400> 3

Met Ala Arg Phe His Arg Pro Ser Glu Asp Glu Asp Asp Tyr Glu Tyr
1 5 10 15
Ser Asp Leu Trp Val Arg Glu Asn Ser Leu Tyr Asp Tyr Glu Ser Gly
20 25 30
Ser Asp Asp His Val Tyr Glu Glu Leu Arg Ala Ala Thr Ser Gly Pro
35 40 45
Glu Pro Ser Gly Arg Arg Ala Ser Val Arg Ala Cys Ala Ser Ala Ala
50 55 60
Ala Val Gln Pro Ala Ala Arg Gly Arg Asp Arg Ala Ala Ala Ala Gly
65 70 75 80
Thr Thr Val Ala Ala Pro Ala Ala Ala Pro Ala Arg Arg Ser Ser Ser
85 90 95
Arg Ala Ser Ser Arg Pro Pro Arg Ala Ala Ala Asp Pro Pro Val Leu
100 105 110

Arg Pro Ala Thr Arg Gly Ser Ser Gly Gly Ala Gly Ala Val Ala Val
 115 120 125
 Gly Pro Pro Arg Pro Arg Ala Pro Pro Gly Ala Asn Ala Val Ala Ser
 130 135 140
 Gly Arg Pro Leu Ala Phe Ser Ala Ala Pro Lys Thr Pro Lys Ala Pro
 145 150 155 160
 Trp Cys Gly Pro Thr His Ala Tyr Asn Arg Thr Ile Phe Cys Glu Ala
 165 170 175
 Val Ala Leu Val Ala Ala Glu Tyr Ala Arg Gln Ala Ala Ala Ser Val
 180 185 190
 Trp Asp Ser Asp Pro Pro Lys Ser Asn Glu Arg Leu Asp Arg Met Leu
 195 200 205
 Lys Ser Ala Ala Ile Arg Ile Leu Val Cys Glu Gly Ser Gly Leu Leu
 210 215 220
 Ala Ala Ala Asn Asp Ile Leu Ala Ala Arg Ala Gln Arg Pro Ala Ala
 225 230 235 240
 Arg Gly Ser Thr Ser Gly Gly Glu Ser Arg Leu Arg Gly Glu Arg Ala
 245 250 255
 Arg Pro Met Thr Ser Arg Arg Ser Val Lys Ser Gly Pro Arg Glu Val
 260 265 270
 Pro Arg Asp Glu Tyr Glu Asp Leu Tyr Tyr Thr Pro Ser Ser Gly Met
 275 280 285
 Ala Ser Pro Asp Ser Pro Pro Asp Thr Ser Arg Arg Gly Ala Leu Gln
 290 295 300
 Thr Arg Ser Arg Gln Arg Gly Glu Val Arg Phe Val Gln Tyr Asp Glu
 305 310 315 320
 Ser Asp Tyr Ala Leu Tyr Gly Gly Ser Ser Ser Glu Asp Asp Glu His
 325 330 335
 Pro Glu Val Pro Arg Thr Arg Arg Pro Val Ser Gly Ala Val Leu Ser
 340 345 350
 Gly Pro Gly Pro Ala Arg Ala Pro Pro Pro Ala Gly Ser Gly Gly
 355 360 365
 Ala Gly Arg Thr Pro Thr Ala Pro Arg Ala Pro Arg Thr Gln Arg
 370 375 380
 Val Ala Thr Lys Ala Pro Ala Ala Pro Ala Ala Glu Thr Thr Arg Gly
 385 390 395 400
 Arg Lys Ser Ala Gln Pro Glu Ser Ala Ala Leu Pro Asp Ala Pro Ala
 405 410 415
 Ser Thr Ala Pro Thr Arg Ser Lys Thr Pro Ala Gln Gly Leu Ala Arg
 420 425 430
 Lys Leu His Phe Ser Thr Ala Pro Pro Asn Pro Asp Ala Pro Trp Thr
 435 440 445
 Pro Arg Val Ala Gly Phe Asn Lys Arg Val Phe Cys Ala Ala Val Gly
 450 455 460
 Arg Leu Ala Ala Met His Ala Arg Met Ala Ala Val Gln Leu Trp Asp
 465 470 475 480
 Met Ser Arg Pro Arg Thr Asp Glu Asp Leu Asn Glu Leu Leu Gly Ile
 485 490 495
 Thr Thr Ile Arg Val Thr Val Cys Glu Gly Lys Asn Leu Leu Gln Arg
 500 505 510
 Ala Asn Glu Leu Val Asn Pro Asp Val Val Gln Asp Val Asp Ala Ala
 515 520 525
 Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr Glu Arg Pro
 530 535 540
 Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro Val Glu
 545 550 555

<210> 4

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> membrane permeating peptide

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Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
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Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
20 25

<210> 5
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> membrane permeating peptide

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Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
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<210> 6
<211> 9
<212> PRT
<213> Homo Sapiens

<400> 6
Glu Glu Asp Ser Asp Glu Pro Leu Glu
1 5